



#3

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DUAL-GAS DELIVERY SYSTEM FOR CHEMICAL VAPOR DEPOSITION PROCESSES

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **December 27, 2001**, under Serial No. 10/033,544 , executed on even date herewith; or
- ☐ Express Mail No.( ) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

| <u>Serial No.</u> | <u>Filing Date</u> |
|-------------------|--------------------|
|-------------------|--------------------|

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u><br><u>Pending</u> |
|-------------------|--------------------|-----------------|---------------------------------|
| <u>Abandoned</u>  |                    |                 |                                 |

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael L. Sherrard   | Registration No. 28,041 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Walter Benjamin Glen  | Registration No. 44,713 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Douglas H. Elliott    | Registration No. 32,982 |
| William B. Patterson  | Registration No. 34,102 |

### Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

### Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
713-623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: Mark M. Hytros

Inventor's signature:  Date: 4/1/02  
Residence: Santa Clara, California

Post Office Address: 592 Mill Creek Lane, #301  
Santa Clara, CA 95054  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Truc T. Tran

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Fremont, California

Post Office Address: 45354 Rutherford Terrace  
Fremont, CA 94539  
U.S.A. Country of Citizenship: U.S.A.

Full name of **third** inventor: Salvador P. Umotoy

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Antioch, California

Post Office Address: 2801 Wildflower Drive  
Antioch, CA 94509  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fourth** inventor: Lawrence Chung-Lai Lei

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Milpitas, California

Post Office Address: 1594 Country Club Drive  
Milpitas, CA 95035  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Avgerinos Gelatos

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Redwood City, California

Post Office Address: 2651 Eaton Avenue  
Redwood City, CA 94062  
U.S.A. Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Tong Zhang

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Palo Alto, California

Post Office Address: 870 Loma Verde Avenue  
Palo Alto, CA 94303  
U.S.A. Country of Citizenship: U.S.A.



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS  
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DUAL-GAS DELIVERY SYSTEM FOR CHEMICAL VAPOR DEPOSITION PROCESSES

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **December 27, 2001**, under Serial No. 10/033,544, executed on even date herewith; or
- ☐ Express Mail No. ( ) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

| <u>Serial No.</u> | <u>Filing Date</u> |
|-------------------|--------------------|
|-------------------|--------------------|

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u><br><u>Pending</u> |
|-------------------|--------------------|-----------------|---------------------------------|
| <u>Abandoned</u>  |                    |                 |                                 |

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael L. Sherrard   | Registration No. 28,041 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Walter Benjamin Glen  | Registration No. 44,713 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Douglas H. Elliott    | Registration No. 32,982 |
| William B. Patterson  | Registration No. 34,102 |

### Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

### Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
713-623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: Mark M. Hytros

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California

Post Office Address: 592 Mill Creek Lane, #301  
Santa Clara, CA 95054  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Truc T. Tran

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Fremont, California

Post Office Address: 45354 Rutherford Terrace  
Fremont, CA 94539  
U.S.A. Country of Citizenship: U.S.A.

Full name of **third** inventor: Salvador P. Umotoy

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Antioch, California

Post Office Address: 2801 Wildflower Drive  
Antioch, CA 94509  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fourth** inventor: Lawrence Chung-Lai Lei

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Milpitas, California

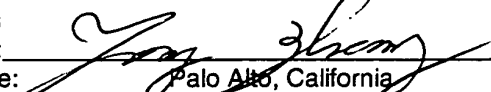
Post Office Address: 1594 Country Club Drive  
Milpitas, CA 95035  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Avgerinos Gelatos

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Redwood City, California

Post Office Address: 2651 Eaton Avenue  
Redwood City, CA 94062  
U.S.A. Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Tong Zhang

Inventor's  
signature:  Date: 3/30/2002  
Residence: Palo Alto, California

Post Office Address: 870 Loma Verde Avenue  
Palo Alto, CA 94303  
U.S.A. Country of Citizenship: U.S.A.

E:\forms\Appt\New-Patent\Merge\DECLARE.MRG.doc





COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS  
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DUAL-GAS DELIVERY SYSTEM FOR CHEMICAL VAPOR DEPOSITION PROCESSES

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **December 27, 2001**, under Serial No. 10/033,544 , executed on even date herewith; or
- ☐ Express Mail No.( ) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

- C. U.S. Provisional Application filed within 12 months prior to this application**

| <u>Serial No.</u> | <u>Filing Date</u> |
|-------------------|--------------------|
|-------------------|--------------------|

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed  
☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u><br><u>Pending</u> |
|-------------------|--------------------|-----------------|---------------------------------|
| <u>Abandoned</u>  |                    |                 |                                 |

### POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael L. Sherrard   | Registration No. 28,041 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Walter Benjamin Glen  | Registration No. 44,713 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Douglas H. Elliott    | Registration No. 32,982 |
| William B. Patterson  | Registration No. 34,102 |

**Send correspondence to:**

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

**Direct telephone calls to:**

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
713-623-4844

### DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: Mark M. Hytros

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California

Post Office Address: 592 Mill Creek Lane, #301  
Santa Clara, CA 95054  
U.S.A. Country of Citizenship: U.S.A.

Full name of **second** inventor: Truc T. Tran

Inventor's  
signature: \_\_\_\_\_

Date: 4/10/02

Residence: Fremont, California

Post Office Address: 45354 Rutherford Terrace  
Fremont, CA 94539  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **third** inventor: Salvador P. Umotoy

Inventor's  
signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Antioch, California

Post Office Address: 2801 Wildflower Drive  
Antioch, CA 94509  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **fourth** inventor: Lawrence Chung-Lai Lei

Inventor's  
signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Milpitas, California

Post Office Address: 1594 Country Club Drive  
Milpitas, CA 95035  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Avgerinos Gelatos

Inventor's  
signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Redwood City, California

Post Office Address: 2651 Eaton Avenue  
Redwood City, CA 94062  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Tong Zhang

Inventor's  
signature: \_\_\_\_\_

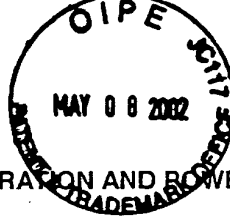
Date: \_\_\_\_\_

Residence: Palo Alto, California

Post Office Address: 870 Loma Verde Avenue  
Palo Alto, CA 94303  
U.S.A.

Country of Citizenship: U.S.A.

E:\forms\Appt\New-Patent\Merge\DECLARE.MRG.doc



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS  
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DUAL-GAS DELIVERY SYSTEM FOR CHEMICAL VAPOR DEPOSITION PROCESSES

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **December 27, 2001**, under Serial No. 10/033,544 , executed on even date herewith; or
- ☐ Express Mail No.( ) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ [x] No such applications have been filed.

☐ [ ] Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> [ ] Yes <input type="checkbox"/> [ ] No |
|                    |                       |                   | <input type="checkbox"/> [ ] Yes <input type="checkbox"/> [ ] No |
|                    |                       |                   | <input type="checkbox"/> [ ] Yes <input type="checkbox"/> [ ] No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

| <u>Serial No.</u> | <u>Filing Date</u> |
|-------------------|--------------------|
|-------------------|--------------------|

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ [x] No such applications have been filed  
☐ [ ] Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u><br><u>Pending</u> |
|-------------------|--------------------|-----------------|---------------------------------|
| <u>Abandoned</u>  |                    |                 |                                 |

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael L. Sherrard   | Registration No. 28,041 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Walter Benjamin Glen  | Registration No. 44,713 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Douglas H. Elliott    | Registration No. 32,982 |
| William B. Patterson  | Registration No. 34,102 |

### Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

### Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
713-623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: Mark M. Hytros

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California

Post Office Address: 592 Mill Creek Lane, #301  
Santa Clara, CA 95054  
U.S.A. Country of Citizenship: U.S.A.

Full name of **second** inventor: Truc T. Tran

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Fremont, California

Post Office Address: 45354 Rutherford Terrace  
Fremont, CA 94539  
U.S.A. Country of Citizenship: U.S.A.

Full name of **third** inventor: Salvador P. Umotoy

Inventor's  
signature: *Spumsky* \_\_\_\_\_ Date: *03/08/02* \_\_\_\_\_  
Residence: Antioch, California

Post Office Address: 2801 Wildflower Drive  
Antioch, CA 94509  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fourth** inventor: Lawrence Chung-Lai Lei

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Milpitas, California

Post Office Address: 1594 Country Club Drive  
Milpitas, CA 95035  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Avgerinos Gelatos

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Redwood City, California

Post Office Address: 2651 Eaton Avenue  
Redwood City, CA 94062  
U.S.A. Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Tong Zhang

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Palo Alto, California

Post Office Address: 870 Loma Verde Avenue  
Palo Alto, CA 94303  
U.S.A. Country of Citizenship: U.S.A.





**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DUAL-GAS DELIVERY SYSTEM FOR CHEMICAL VAPOR DEPOSITION PROCESSES**

**SPECIFICATION IDENTIFICATION**

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **December 27, 2001**, under Serial No. 10/033,544 , executed on even date herewith; or
- ☐ Express Mail No.( ) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:

Application No:

Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

| <u>Serial No.</u> | <u>Filing Date</u> |
|-------------------|--------------------|
|-------------------|--------------------|

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u><br><u>Pending</u> |
|-------------------|--------------------|-----------------|---------------------------------|
| <u>Abandoned</u>  |                    |                 |                                 |

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael L. Sherrard   | Registration No. 28,041 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Walter Benjamin Glen  | Registration No. 44,713 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Douglas H. Elliott    | Registration No. 32,982 |
| William B. Patterson  | Registration No. 34,102 |

### Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

### Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
713-623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: Mark M. Hytros

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California

Post Office Address: 592 Mill Creek Lane, #301  
Santa Clara, CA 95054  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Truc T. Tran

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Fremont, California

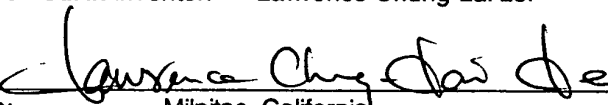
Post Office Address: 45354 Rutherford Terrace  
Fremont, CA 94539  
U.S.A. Country of Citizenship: U.S.A.

Full name of **third** inventor: Salvador P. Umotoy

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Antioch, California

Post Office Address: 2801 Wildflower Drive  
Antioch, CA 94509  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fourth** inventor: Lawrence Chung-Lai Lei

Inventor's  
signature:  Date: 4/5/02  
Residence: Milpitas, California

Post Office Address: 1594 Country Club Drive  
Milpitas, CA 95035  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Avgerinos Gelatos

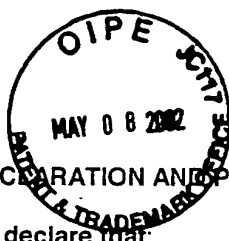
Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Redwood City, California

Post Office Address: 2651 Eaton Avenue  
Redwood City, CA 94062  
U.S.A. Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Tong Zhang

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Palo Alto, California

Post Office Address: 870 Loma Verde Avenue  
Palo Alto, CA 94303  
U.S.A. Country of Citizenship: U.S.A.



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS  
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DUAL-GAS DELIVERY SYSTEM FOR CHEMICAL VAPOR DEPOSITION PROCESSES

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **December 27, 2001**, under Serial No. 10/033,544 , executed on even date herewith; or
- ☐ Express Mail No.( ) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:

Application No:

Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

| <u>Serial No.</u> | <u>Filing Date</u> |
|-------------------|--------------------|
|-------------------|--------------------|

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u><br><u>Pending</u> |
|-------------------|--------------------|-----------------|---------------------------------|
| <u>Abandoned</u>  |                    |                 |                                 |

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael L. Sherrard   | Registration No. 28,041 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Walter Benjamin Glen  | Registration No. 44,713 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Douglas H. Elliott    | Registration No. 32,982 |
| William B. Patterson  | Registration No. 34,102 |

### Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

### Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
713-623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of **sole or first** inventor: Mark M. Hytros

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California

Post Office Address: 592 Mill Creek Lane, #301  
Santa Clara, CA 95054  
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Truc T. Tran

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Fremont, California

Post Office Address: 45354 Rutherford Terrace  
Fremont, CA 94539  
U.S.A. Country of Citizenship: U.S.A.

Full name of **third** inventor: Salvador P. Umotoy

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Antioch, California

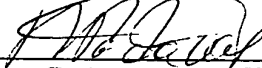
Post Office Address: 2801 Wildflower Drive  
Antioch, CA 94509  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fourth** inventor: Lawrence Chung-Lai Lei

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Milpitas, California

Post Office Address: 1594 Country Club Drive  
Milpitas, CA 95035  
U.S.A. Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Avgerinos Gelatos

Inventor's  
signature:  Date: 4-24-02  
Residence: Redwood City, California

Post Office Address: 2651 Eaton Avenue  
Redwood City, CA 94062  
U.S.A. Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Tong Zhang

Inventor's  
signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Palo Alto, California

Post Office Address: 870 Loma Verde Avenue  
Palo Alto, CA 94303  
U.S.A. Country of Citizenship: U.S.A.